

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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January 15, 2004

S I R:

Transmitted herewith for filing are the specification and claims
 of the patent application of:

Peter Brink, Ira Cohen, Richard Robinson and Michael Rosen for
 Inventor(s)

Mesenchymal Stem Cells as a Vehicle for Ion Channel Transfer
in Syncytial Structures
 Title of Invention

Also enclosed are:

 X 10 sheet(s) of informal X formal drawings.

 Oath or declaration of Applicant(s).

 A power of attorney.

 An assignment of the invention to .

 A Preliminary Amendment

 A verified statement to establish small entity status
 under 37 C.F.R. § 1.9 and § 1.27.

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

| | | | | | RATE | | FEE | | |
|---|-----------------|---|------------------|---|-----------------|-----------------|-----|-----------------|-----------------|
| | NUMBER FILED | | NUMBER EXTRA* | | SMALL ENTITY | OTHER ENTITY | | SMALL ENTITY | OTHER ENTITY |
| Total Claims | 64-20 | = | 44 | X | \$9.00 | \$18.00 | = | \$396.00 | \$ |
| Independent Claims | 13-3 | = | 10 | X | \$42.00 | \$84.00 | = | \$420.00 | \$ |
| Multiple Dependent Claims Presented: <u> </u> Yes <u>X</u> No | | | | | \$ | \$ | | \$ | \$ |
| | | | | | BASIC FEE | | | \$375.00 | \$ |
| *If the difference in Col. 1 is less than zero, enter "0" in Col.2 | | | | | TOTAL FEE | | | \$1191.00 | \$ |

011504

15992 U.S. PTO

31355 U.S. PTO
10/757827

011504

X Check in the amount of \$ 1,191.00 is enclosed.
(\$375.00 for filing fee, \$396.00 for additional
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independent claims).

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 X The Commissioner is hereby authorized to charge any
additional fees which may be required in connection
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 X Filing fees under 37 C.F.R. § 1.16.

 X Patent application processing fees under 37
C.F.R. § 1.17.


 The issue fee set in 37 C.F.R. § 1.18 at or
before mailing of the Notice of Allowance,
pursuant to 37 C.F.R. § 1.311(b).

 X Three copies of this sheet are enclosed.

 A certified copy of previously filed foreign
application No. filed in
 on .
Applicant(s) hereby claim priority based upon this
aforementioned foreign application under 35 U.S.C.
§119.

 X Other (identify). Express Mail Certificate of
Mailing bearing label No. EL 837 182 422 US dated
January 15, 2004.

Respectfully submitted,



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter Brink et al.
Serial No.: Not Yet Known
Filed: Herewith
For: MESENCHYMAL STEM CELLS AS A VEHICLE FOR ION
CHANNEL TRANSFER IN SYNCYTIAL STRUCTURES

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New York, New York 10036
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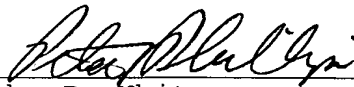
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